

SEQUENCE LISTING

<110> Mochly-Rosen, Daria

<120> Peptides for Activation and Inhibition
of delta-PKC

<130> 58600-8208.US00

<140> Not Yet Assigned

<141> Filed Herewith

<150> US 60/262,060

<151> 2001-01-18

<160> 72

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> epsilon V1-2, residues 14-21 of epsilon-PKC

<400> 1

Glu Ala Val Ser Leu Lys Pro Thr
1 5

<210> 2

<211> 141

<212> PRT

<213> Rattus norvegicus

<400> 2

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Leu	Gln	Ala	Glu	Asp	Asp	Ala	Ser	Gln	Pro	Phe	Cys	Ala	Val	Lys	Met
		20						25					30		
Lys	Glu	Ala	Leu	Thr	Thr	Asp	Arg	Gly	Lys	Thr	Leu	Val	Gln	Lys	Lys
	35						40					45			
Pro	Thr	Met	Tyr	Pro	Glu	Trp	Lys	Ser	Thr	Phe	Asp	Ala	His	Ile	Tyr
	50				55					60					
Glu	Gly	Arg	Val	Ile	Gln	Ile	Val	Leu	Met	Arg	Ala	Ala	Glu	Asp	Pro
65				70				75						80	
Met	Ser	Glu	Val	Thr	Val	Gly	Val	Ser	Val	Leu	Ala	Glu	Arg	Cys	Lys
			85					90					95		
Lys	Asn	Asn	Gly	Lys	Ala	Glu	Phe	Trp	Leu	Asp	Leu	Gln	Pro	Gln	Ala
		100					105						110		
Lys	Val	Leu	Met	Cys	Val	Gln	Tyr	Phe	Leu	Glu	Asp	Gly	Asp	Cys	Lys
	115					120						125			
Gln	Ser	Met	Arg	Ser	Glu	Glu	Ala	Met	Phe	Pro	Thr				
	130					135				140					

<210> 3

<211> 124

<212> PRT

<213> Mus musculus

<400> 3

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Cys	Gln	Ser	Cys	Gln	Gly	Glu	Ala	Val	Asn	Pro	Tyr	Cys	Ala	Val	Leu
			20					25					30		
Val	Lys	Glu	Tyr	Val	Glu	Ser	Glu	Asn	Gly	Gln	Met	Tyr	Ile	Gln	Lys
		35					40					45			
Lys	Pro	Thr	Met	Tyr	Pro	Pro	Trp	Asp	Ser	Thr	Phe	Asp	Ala	His	Ile
	50					55					60				
Asn	Lys	Gly	Arg	Val	Met	Gln	Ile	Ile	Val	Lys	Gly	Lys	Asn	Val	Asp
65					70				75					80	
Leu	Ile	Ser	Glu	Thr	Val	Glu	Leu	Tyr	Ser	Leu	Ala	Glu	Arg	Cys	
			85					90					95		
Arg	Lys	Asn	Asn	Gly	Lys	Thr	Glu	Ile	Trp	Leu	Glu	Leu	Lys	Pro	Gln
			100				105						110		
Gly	Arg	Met	Leu	Met	Asn	Ala	Arg	Tyr	Phe	Leu	Glu				
		115					120								

<210> 4
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 <213> Rattus norvegicus

<400> 4
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<210> 5
 <211> 10
 <212> PRT
 <213> Rattus norvegicus

<400> 5
 Ala Leu Thr Thr Asp Arg Gly Lys Leu Val
 1 5 10

<210> 6
 <211> 8
 <212> PRT
 <213> Rattus norvegicus

<400> 6
 Met Arg Ala Ala Glu Asp Pro Met
 1 5

<210> 7
 <211> 58
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 <213> Rattus norvegicus

Pro	Phe	Arg	Pro	Lys	Val	Lys	Ser	Pro	Arg	Asp	Tyr	Ser	Asn	Phe	Asp
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Gln	Glu	Phe	Leu	Asn	Glu	Lys	Ala	Arg	Leu	Ser	Tyr	Ser	Asp	Lys	Asn
			20				25					30			
Leu	Ile	Asp	Ser	Met	Asp	Gln	Ser	Ala	Phe	Ala	Gly	Phe	Ser	Phe	Val
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<210> 8
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 <223> Drosophila Antennapedia homeodomain-derived
 carrier peptide

<400> 8
 Cys Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
 1 5 10 15
 Lys

<210> 9
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Tat-derived carrier peptide

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 Tyr Gly Lys Lys Arg Arg Gln Arg Arg Arg
 1 5 10

<210> 10
 <211> 6
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<220>
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<400> 10
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<400> 11
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<400> 12
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<400> 13
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<210> 14
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<213> Rattus norvegicus

<400> 20

Glu Asp Pro Met
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<210> 21

<211> 5

<212> PRT

<213> Rattus norvegicus

<400> 21

Ala Glu Asp Pro Met
1 5

<210> 22

<211> 8

<212> PRT

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<400> 22

Met Arg Ala Ala Glu Asp Met Pro
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<211> 8

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Met Glu Ala Ala Glu Asp Pro Met
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<210> 24

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<400> 34
Thr Phe Asn Ser Tyr Glu Leu Gly Ser Leu
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Ala Phe Asn Ser Tyr Glu Leu Gly Ser Leu
  1                      5                      10

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<210> 38
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Ser Tyr Asn Ser Tyr Glu Leu Gly Ser Leu
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<210> 41
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<220>
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<220>
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1 5 10

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<220>
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<400> 48
Ala Phe Asn Ser Tyr Glu Leu Gly Ser Leu
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<210> 49
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<213> Rattus norvegicus

<400> 49
Tyr Glu Leu Gly Ser Leu
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<210> 50
<211> 6
<212> PRT
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<210> 52
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Tyr Asp Val Gly Ser Leu
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Tyr Asp Leu Pro Ser Leu
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<211> 6

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Tyr Asp Leu Gly Leu Leu
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<210> 56

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Tyr Asp Leu Gly Ser Ile
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<210> 57

<211> 6

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<220>

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<400> 57

Tyr Asp Leu Gly Ser Val
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<210> 59
<211> 4
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<400> 66
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 1 5 10

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 1 5 10

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 Ala Leu Thr Thr Asp Lys Gly Lys Thr Leu Val
 1 5 10

<210> 72
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 <213> Homo sapiens

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 20 25 30
 Thr Asp Glu Glu Ser Ile Leu Thr Leu Leu Thr Ser Arg Ser Asn Ala
 35 40 45
 Gln Arg Gln Glu Ile Ser Ala Ala Phe Lys Thr Leu Phe Gly Arg Asp
 50 55 60
 Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe Glu Lys Leu
 65 70 75 80
 Ile Val Ala Leu Met Lys Pro Ser Arg Leu Tyr Asp Ala Tyr Glu Leu
 85 90 95
 Lys His Ala Leu Lys Gly Ala Gly Thr Asn Glu Lys Val Leu Thr Glu
 100 105 110
 Ile Ile Ala Ser Arg Thr Pro Glu Leu Arg Ala Ile Lys Gln Val
 115 120 125
 Tyr Glu Glu Glu Tyr Gly Ser Ser Leu Glu Asp Asp Val Val Gly Asp
 130 135 140
 Thr Ser Gly Tyr Tyr Gln Arg Met Leu Val Val Leu Leu Gln Ala Asn
 145 150 155 160
 Arg Asp Pro Asp Ala Gly Ile Asp Glu Ala Gln Val Glu Gln Asp Ala
 165 170 175
 Gln Ala Leu Phe Gln Ala Gly Glu Leu Lys Trp Gly Thr Asp Glu Glu

